Load Unit Defaults

***Market Overview and Analysis***

This design will detail the load of ISO unit defaults reports.

* + Default Limits
  + Default Status
  + Default Startup
  + Ramp Rates

The unit parameters (defaults) specify the operating parameters (default limits, default costs) and operating status for specified generator units. This is participant private data.

This load requires data to be provided from the user when loaded from file. The following fields will need to be included on the IC window:

Participant

Date

Market Type (clearing code)

This data is required when making a request from the ISO however the response file from the ISO does not always return this data in the response file. Therefor when it is loaded by file the user must select the appropriate values. If the "party" or participant value does exist in the file then that value should be used to populate the database and the user selection should be ignored.

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse xmlns="http://markets.midwestiso.org/dart/xml">

<DefaultLimits location="xx">

<EconomicLimits minMW="nn" maxMW="nnn"/>

<EmergencyLimits minMW="nn" maxMW="nnn"/>

<RegulationLimits minMW="nn" maxMW="nnn"/>

<OfflineResourceLimit maxMW="nnn"/>

<TemperatureBasedLimits>

<EconomicTempLimits>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

</EconomicTempLimits>

<EmergencyTempLimits>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

</EmergencyTempLimits>

<RegulationTempLimits>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

</RegulationTempLimits>

</TemperatureBasedLimits>

</DefaultLimits>

<DefaultStartupCosts location="xx">

<NoLoadCost>xxx</NoLoadCost>

<ColdStartupCost>xxx</ColdStartupCost>

<IntermediateStartupCost>xxx</IntermediateStartupCost>

<HotStartupCost>xxx</HotStartupCost>

</DefaultStartupCosts>

<DefaultStatus location="xx">

<ResourceCommitStatus>xxx</ResourceCommitStatus>

<EnergyDispatchStatus>xxx</EnergyDispatchStatus >

<RegulationDispatchStatus>xxx</RegulationDispatchStatus >

<SpinningReserveDispatchStatus>xxx</SpinningReserveDispatchStatus >

<OnlineSuppReserveDispatchStatus>xxx</OnlineSuppReserveDispatchStatus >

<OfflineSuppReserveDispatchStatus>xxx</OfflineSuppReserveDispatchStatus >

</DefaultStatus>

<DADefaultRampRate location="zzz" day="yyyy-mm-dd">

<RampRate>ddd</RampRate>

</DADefaultRampRate>

<RTDefaultRampRates location="zzz" day="yyyy-mm-dd">

<RampRate>ddd</RampRate>

<RampRateUp>ddd</RampRateUp>

<RampRateDown>ddd</RampRateDown>

<RampRateBidirectional>ddd</RampRateBidirectional>

</RTDefaultRampRates>

</QueryResponse>

</env:Body>

</env:Envelope>

If sections of the unit defaults are loaded (e.g. only startup costs are loaded), nMarket will presume the other values (e.g. status, limits, ramp rate) are null and schedule the default op parm records accordingly.

***MC\_OPPARM\_DFLT Mapping :***

|  |  |  |
| --- | --- | --- |
| **Field** | **Description** | **Source** |
| OPPARM\_DFLT\_ID | Operational Parameter Default Identifier: A number generated from a sequence, which uniquely identifies a operational parameter default record. |  |
| PTCPT\_ID | Participant Identifier: A number, generated from a sequence, which uniquely identifies a participant. | Party  Or  As selected by user on IC window |
| XP\_ID | Transaction Point Identifier: The nMarket identifier for a transaction point. Valid values are stored in the table X\_XP\_MASTER. | location |
| START\_DT | Start Date: Start Date of the effective period of the operational parameters. | As selected by user on IC window |
| SOURCE\_CD | Source Code: A code that indicates the source of the record. | 'ISO' |
| STATUS\_CD | Status Code: A code that uniquely identifies a status type. | 'SUB' |
| EXT\_ID | External Identifier: An identifier assigned by the initiator of the operation is echoed back in the response. |  |
| CLRG\_CD |  | As selected by user on IC window |
| MIN\_EMERGENCY\_LIMIT | Min Emergency Limit: The minimum MW level at which a Resource may operate under Emergency system conditions. | EmergencyLimits minMW="nn" |
| MIN\_ECONOMIC\_LIMIT | Min Economic Limit: The minimum MW level at which a Resource may operate under Economic system conditions. | EconomicLimits minMW="nn" |
| MIN\_REGULATION\_LIMIT | Min Regulation Limit: The minimum MW level at which a Regulation Qualified Resource may operate while providing Regulation Deployment. | RegulationLimits minMW="nn" |
| MAX\_REGULATION\_LIMIT | Max Regulation Limit: The maximum MW level at which a Regulation Qualified Resource may operate while providing Regulation Deployment. | RegulationLimits maxMW="nnn" |
| MAX\_ECONOMIC\_LIMIT | Max Economic Limit: The maximum MW level at which a Resource may operate under Economic system conditions. | EconomicLimits maxMW="nnn" |
| MAX\_EMERGENCY\_LIMIT | Max Emergency Limit: The maximum MW level at which a Resource may operate under Emergency system conditions. | EmergencyLimits maxMW="nnn" |
| OFFLINE\_RESOURCE\_LIMIT | Offline Resource Limit: The maximum MW level at which a Resource may operate when offering to provide Offline Supplemental Reserves. | OfflineResourceLimit maxMW="nnn" |
| NO\_LOAD\_COST | No Load Cost: No Load Offer. | NoLoadCost |
| COLD\_STARTUP\_COST | Cold Startup Cost: Cold Start-up Offer. | ColdStartupCost |
| INTER\_STARTUP\_COST | Inter Startup Cost: Intermediate Start-up Offer. | IntermediateStartupCost |
| HOT\_STARTUP\_COST | Hot Startup Cost: Hot Start-up Offer. | HotStartupCost |
| RAMP\_RATE | Ramp Rate: Single Ramp Rate value in MW/minute. | Depending on Clearing Code selected by user on IC window:  <DADefaultRampRate>  <RampRate>ddd</RampRate>  </DADefaultRampRate>    OR    <RTDefaultRampRates  <RampRate>ddd</RampRate>  </RTDefaultRampRates> |
| RAMP\_RATE\_UP | Ramp Rate Up: Up Ramp Rate used in RT Market. | RampRateUp |
| RAMP\_RATE\_DOWN | Ramp Rate Down: Down Ramp Rate used in RT Market. | RampRateDown |
| RAMP\_RATE\_BIDIRECTIONAL | Ramp Rate Bidirectional: Bi-Directional or Oscillating Ramp Rate. | RampRateBidirectional |
| COMMITMENT\_STATUS\_CD | Commitment Status Code: Commitment Status for Energy Offer. | ResourceCommitStatus |
| EO\_DISPATCH\_STATUS\_CD | EO Dispatch Status Code: Dispatch Status for Energy Offer. | EnergyDispatchStatus    Lookup table MC\_OP\_DISPATCH\_STS\_EO\_TYPE |
| REG\_DISPATCH\_STATUS\_CD | REG Dispatch Status Code: Regulation Offer Dispatch Status. | RegulationDispatchStatus    Lookup table  MC\_OP\_DISPATCH\_STS\_REG\_TYPE |
| SPIN\_DISPATCH\_STATUS\_CD | Spin Dispatch Status Code: Spinning Reserve Offer Dispatch Status. | SpinningReserveDispatchStatus    Lookup table  MC\_OP\_DISPATCH\_STS\_SPIN\_TYPE |
| SUPP\_ON\_DISPATCH\_STATUS\_CD | Supp On Dispatch Status Code: Online Supplemental Offer Dispatch Status. | OnlineSuppReserveDispatchStatus    Lookup table  MC\_OP\_DISPATCH\_STS\_SUPON\_TYPE |
| SUPP\_OFF\_DISPATCH\_STATUS\_CD | Supp Off Dispatch Status Code: Offline Supplemental Offer Dispatch Status. | OfflineSuppReserveDispatchStatus    Lookup table  MC\_OP\_DISPATCH\_STS\_SUPOFF\_TYPE |
| ECO\_LOW\_LIMIT\_MW | Economic Low Limit MW: Temperature based Economic Low Limit MW. | <EconomicTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EconomicTempLimits>    Load MW value of lowest temp of three. |
| ECO\_LOW\_LIMIT\_TEMP | Economic Low Limit Temp: Temperature based Economic Low Limit Temp. | <EconomicTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EconomicTempLimits>    Load temperature value of lowest temp of three. |
| ECO\_MID\_LIMIT\_MW | Economic Mid Limit MW: Temperature based Economic Mid Limit MW. | <EconomicTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EconomicTempLimits>    Load MW value of middle temp of three. |
| ECO\_MID\_LIMIT\_TEMP | Economic Mid Limit Temp: Temperature based Economic Mid Limit Temp. | <EconomicTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EconomicTempLimits>    Load temperature value of middle temp of three. |
| ECO\_HIGH\_LIMIT\_MW | Economic High Limit MW: Temperature based Economic High Limit MW. | <EconomicTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EconomicTempLimits>    Load MW value of highest temp of three. |
| ECO\_HIGH\_LIMIT\_TEMP | Economic High Limit Temp: Temperature based Economic High Limit Temp. | <EconomicTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EconomicTempLimits>    Load temperature value of highest temp of three. |
| EMGCY\_LOW\_LIMIT\_MW | Emergency Low Limit MW: Temperature based Emergency Low Limit MW. | <EmergencyTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EmergencyTempLimits>    Load MW value of lowest temp of three. |
| EMGCY\_LOW\_LIMIT\_TEMP | Emergency Low Limit Temp: Temperature based Emergency Low Limit Temp. | <EmergencyTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EmergencyTempLimits>    Load temperature value of lowest temp of three |
| EMGCY\_MID\_LIMIT\_MW | Emergency Mid Limit MW: Temperature based Emergency Mid Limit MW. | <EmergencyTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EmergencyTempLimits>    Load MW value of middle temp of three. |
| EMGCY\_MID\_LIMIT\_TEMP | Emergency Mid Limit Temp: Temperature based Emergency Mid Limit Temp. | <EmergencyTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EmergencyTempLimits>    Load temperature value of middle temp of three. |
| EMGCY\_HIGH\_LIMIT\_MW | Emergency High Limit MW: Temperature based Emergency High Limit MW. | <EmergencyTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EmergencyTempLimits>    Load MW value of highest temp of three. |
| EMGCY\_HIGH\_LIMIT\_TEMP | Emergency High Limit Temp: Temperature based Emergency High Limit Temp. | <EmergencyTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </EmergencyTempLimits>    Load temperature value of highest temp of three. |
| REG\_LOW\_LIMIT\_MW | Emergency Low Limit MW: Temperature based Emergency Low Limit MW. | <RegulationTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </RegulationTempLimits>    Load MW value of lowest temp of three. |
| REG\_LOW\_LIMIT\_TEMP | Emergency Low Limit Temp: Temperature based Emergency Low Limit Temp. | <RegulationTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </RegulationTempLimits>    Load temperature value of lowest temp of three. |
| REG\_MID\_LIMIT\_MW | Emergency Mid Limit MW: Temperature based Emergency Mid Limit MW. | <RegulationTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </RegulationTempLimits>    Load MW value of middle temp of three. |
| REG\_MID\_LIMIT\_TEMP | Emergency Mid Limit Temp: Temperature based Emergency Mid Limit Temp. | <RegulationTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </RegulationTempLimits>    Load temperature value of middle temp of three. |
| REG\_HIGH\_LIMIT\_MW | Emergency High Limit MW: Temperature based Emergency High Limit MW. | <RegulationTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </RegulationTempLimits>    Load MW value of highest temp of three. |
| REG\_HIGH\_LIMIT\_TEMP | Emergency High Limit Temp: Temperature based Emergency High Limit Temp. | <RegulationTempLimits>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  <LimitPoint MW="nn" temperature="nn.n"/>  </RegulationTempLimits>    Load temperature value of highest temp of three. |
| USER\_ID | User Identifier: The user that added or updated this record. |  |
| REVISED\_DT | Revised Date: The date and time when the record was added or updated. All dates within nMarket are stored in GMT. |  |

***Example (Default Limits only):***

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse xmlns="http://markets.midwestiso.org/dart/xml">

<DefaultLimits location="xx">

<EconomicLimits minMW="nn" maxMW="nnn"/>

<EmergencyLimits minMW="nn" maxMW="nnn"/>

<RegulationLimits minMW="nn" maxMW="nnn"/>

<OfflineResourceLimit maxMW="nnn"/>

<TemperatureBasedLimits>

<EconomicTempLimits>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

</EconomicTempLimits>

<EmergencyTempLimits>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

</EmergencyTempLimits>

<RegulationTempLimits>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

</RegulationTempLimits>

</TemperatureBasedLimits>

</DefaultLimits>

</QueryResponse>

</env:Body>

</env:Envelope>

**With party tag:**

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse party= "OtherParty" xmlns="http://markets.midwestiso.org/dart/xml">

<DefaultLimits location="xx">

<EconomicLimits minMW="nn" maxMW="nnn"/>

<EmergencyLimits minMW="nn" maxMW="nnn"/>

<RegulationLimits minMW="nn" maxMW="nnn"/>

<OfflineResourceLimit maxMW="nnn"/>

<TemperatureBasedLimits>

<EconomicTempLimits>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

</EconomicTempLimits>

<EmergencyTempLimits>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

</EmergencyTempLimits>

<RegulationTempLimits>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

<LimitPoint MW="nn" temperature="nn.n"/>

</RegulationTempLimits>

</TemperatureBasedLimits>

</DefaultLimits>

</QueryResponse>

</env:Body>

</env:Envelope>

***Example (Default Startup Costs only):***

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse xmlns="http://markets.midwestiso.org/dart/xml">

<DefaultStartupCosts location="xx">

<NoLoadCost>xxx</NoLoadCost>

<ColdStartupCost>xxx</ColdStartupCost>

<IntermediateStartupCost>xxx</IntermediateStartupCost>

<HotStartupCost>xxx</HotStartupCost>

</DefaultStartupCosts>

</QueryResponse>

</env:Body>

</env:Envelope>

**With party tag:**

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse party= "OtherParty" xmlns="http://markets.midwestiso.org/dart/xml">

<DefaultStartupCosts location="xx">

<NoLoadCost>xxx</NoLoadCost>

<ColdStartupCost>xxx</ColdStartupCost>

<IntermediateStartupCost>xxx</IntermediateStartupCost>

<HotStartupCost>xxx</HotStartupCost>

</DefaultStartupCosts>

</QueryResponse>

</env:Body>

</env:Envelope>

***Example (Default Dispatch Status only):***

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse xmlns="http://markets.midwestiso.org/dart/xml">

<DefaultStatus location="xx">

<ResourceCommitStatus>MustRun</ResourceCommitStatus>

<EnergyDispatchStatus>Economic</EnergyDispatchStatus>

<RegulationDispatchStatus>Economic</RegulationDispatchStatus>

<SpinningReserveDispatchStatus>Economic</SpinningReserveDispatchStatus>

<OnlineSuppReserveDispatchStatus>Economic</OnlineSuppReserveDispatchStatus>

<OfflineSuppReserveDispatchStatus>Economic</OfflineSuppReserveDispatchStatus>

</DefaultStatus>

</QueryResponse>

</env:Body>

</env:Envelope>

**With party tag:**

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse party= "OtherParty" xmlns="http://markets.midwestiso.org/dart/xml">

<DefaultStatus location="xx">

<ResourceCommitStatus>MustRun</ResourceCommitStatus>

<EnergyDispatchStatus>Economic</EnergyDispatchStatus>

<RegulationDispatchStatus>Economic</RegulationDispatchStatus>

<SpinningReserveDispatchStatus>Economic</SpinningReserveDispatchStatus>

<OnlineSuppReserveDispatchStatus>Economic</OnlineSuppReserveDispatchStatus>

<OfflineSuppReserveDispatchStatus>Economic</OfflineSuppReserveDispatchStatus>

</DefaultStatus>

</QueryResponse>

</env:Body>

</env:Envelope>

***Example (Default DA Ramp Rate only):***

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse xmlns="http://markets.midwestiso.org/dart/xml">

<DADefaultRampRate location="AMMO.AUDRN11" day="2008-01-01">

<RampRate>10</RampRate>

</DADefaultRampRate>

</QueryResponse>

</env:Body>

</env:Envelope>

**With party tag:**

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse party= "OtherParty" xmlns="http://markets.midwestiso.org/dart/xml">

<DADefaultRampRate location="AMMO.AUDRN11" day="2008-01-01">

<RampRate>10</RampRate>

</DADefaultRampRate>

</QueryResponse>

</env:Body>

</env:Envelope>

***Example (Default RT Ramp Rate only):***

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse xmlns="http://markets.midwestiso.org/dart/xml">

<RTDefaultRampRates location="AMMO.AUDRN11" day="2008-01-01">

<RampRate>10</RampRate>

<RampRateUp>10</RampRateUp>

<RampRateDown>10</RampRateDown>

<RampRateBidirectional>10</RampRateBidirectional>

</RTDefaultRampRates>

</QueryResponse>

</env:Body>

</env:Envelope>

**With party tag:**

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<env:Header/>

<env:Body>

<QueryResponse party= "OtherParty" xmlns="http://markets.midwestiso.org/dart/xml">

<RTDefaultRampRates location="AMMO.AUDRN11" day="2008-01-01">

<RampRate>10</RampRate>

<RampRateUp>10</RampRateUp>

<RampRateDown>10</RampRateDown>

<RampRateBidirectional>10</RampRateBidirectional>

</RTDefaultRampRates>

</QueryResponse>

</env:Body>

</env:Envelope>

***Error Handling***

* + Invalid Transaction Point. Skip record.
    - *No transaction point exists in the nMarket Database for the location name = <location>.*
  + Invalid Value
    - *Invalid value passed from the file*